



SDMS DocID

2211871

ORIGINAL

**TETRA TECH**

**AIR SAMPLING  
REPORTS**

## PCM AIR REPORT

Client: **EPA**  
 Location: **USEPA Contract Laboratory Program**  
 Work Area:

Project No.: 5031-08  
 Activity: Environmental

Sample Date: 04/29/2008  
 Sampling Tech.: M. Murphy

**Field Data and Sampling Provided By: EPA**

Field Sample ID:	AAS-P11-B01	AAS-P11-01	AAS-P11-02	AAS-P11-03	B1	B2	B3					
Rotometer No.:	Not Provided	Not Provided	Not Provided	Not Provided	N/A	N/A	N/A					
Sample Location:	FB	Downwind in Exclusion Zone	Personnel in Exclusion Zone	Upwind	N/A	N/A	N/A					
Starting Flow Rate: L/MIN	N/A	Not Provided	Not Provided	Not Provided	N/A	N/A	N/A					
Ending Flow Rate: L/MIN	N/A	Not Provided	Not Provided	Not Provided	N/A	N/A	N/A					
Avg. Flow Rate: L/MIN	N/A	2.354	2.348	2.395	N/A	N/A	N/A					
Start Time:	N/A	8:02 AM	8:00 AM	8:05 AM	N/A	N/A	N/A					
Finish Time:	N/A	3:26 PM	3:25 PM	3:28 PM	N/A	N/A	N/A					
Duration (MIN):	N/A	444	445	443	N/A	N/A	N/A					
Sample Volume (L):	N/A	1045.176	1044.86	1060.985	N/A	N/A	N/A					

**Laboratory Analysis Performed By: Paradigm Environmental Services, Inc.**

Lab Sample ID:	28575	28576	28577	28578	28579	28580	28581					
Fibers / 100 Fields:	0	2.5	5.5	1.5	0	0	0					
Fibers / mm2:	<7.0	<7.0	7.0	<7.0	<7.0	<7.0	<7.0					
Fibers / cc:	N/A	<0.005	<0.005	<0.005	N/A	N/A	N/A					

Legend: I=Inside O=Outside E=Environmental B=Blank

ELAP ID No.: 10958

Samples were analyzed according to the NIOSH 7400 method.

**Comments:**

The Sampling Data was supplied by the client. Paradigm Environmental Services, Inc. does not guarantee the reliability of the clients data.

Date of Analysis: 04/30/2008  
 Microscope: Olympus BH-2#235757  
 Analyst: B. Liberatore

ELECTRONIC REPORT FACSIMILE. THE OFFICIAL REPORT OF ANALYSIS IS THE ORIGINAL SIGNED HARDCOPY.

## PCM AIR REPORT

Client: **EPA**  
 Location: USEPA Contract Laboratory Program  
 Work Area:

Project No.: 5076-08  
 Activity: Environmental

Sample Date: 04/30/2008  
 Sampling Tech.: M. Murphy

**Field Data and Sampling Provided By: EPA**

Field Sample ID:		Personnel in Exclusion											
Rotometer No.:	Not Provided	Not Provided											
Sample Location:	Downwind	Personnel in Exclusion Zone											
Starting Flow Rate: L/MIN	Not Provided	Not Provided											
Ending Flow Rate: L/MIN	Not Provided	Not Provided											
Avg. Flow Rate: L/MIN	2.501	2.376											
Time:	7:40 AM	7:44 AM											
Finish Time:	3:36 PM	3:35 PM											
Duration (MIN):	476	471											
Sample Volume (L):	1190.476	1119.096											

**Laboratory Analysis Performed By: Paradigm Environmental Services, Inc.**

Lab Sample ID:	28851	28852											
Fibers / 100 Fields:	2	7											
Fibers / mm2:	<7.0	8.9											
Fibers / cc:	<0.005	<0.005											

Legend: I=Inside O=Outside E=Environmental B=Blank

ELAP ID No.: 10958

Samples were analyzed according to the NIOSH 7400 method.

ELECTRONIC REPORT FACSIMILE. THE OFFICIAL REPORT OF ANALYSIS IS THE ORIGINAL SIGNED HARDCOPY.

The Sampling Data was supplied by the client. Paradigm Environmental Services, Inc. does not guarantee the reliability of the clients data.

Date of Analysis: 05/01/2008  
 Microscope: Olympus BH-2#235757  
 Analyst: B. Liberatore

Laboratory Results Approved By: \_\_\_\_\_  
 Asbestos Technical Director  
 File ID: AIRSAM 4-30-08

Mary Dohr

5/15/2008

## PCM AIR REPORT

**Client:** EPA  
**Location:** USEPA Contract Laboratory Program  
**Work Area:**

**Project No.:** 5221-08  
**Activity:** Environmental

**Sample Date:** 05/05/2008  
**Sampling Tech.:** M. Murphy

**Field Data and Sampling Provided By: EPA**

<b>Field Sample ID:</b>		<b>Personnel in Exclusion</b>										
	Downwind											
<b>Rotometer No.:</b>	Not Provided	Not Provided										
<b>Sample Location:</b>	Downwind	Personnel in Exclusion Zone										
<b>Starting Flow Rate: L/MIN</b>	Not Provided	Not Provided										
<b>Ending Flow Rate: L/MIN</b>	Not Provided	Not Provided										
<b>Avg. Flow Rate: L/MIN</b>	2.431	2.415										
<b>Time:</b>	7:46 AM	7:45 AM										
<b>Finish Time:</b>	2:23 PM	3:22 PM										
<b>Duration (MIN):</b>	397	457										
<b>Sample Volume (L):</b>	965.107	1103.655										

**Laboratory Analysis Performed By: Paradigm Environmental Services, Inc.**

<b>Lab Sample ID:</b>	29718	29719										
<b>Fibers / 100 Fields:</b>	2	7										
<b>Fibers / mm2:</b>	<7.0	8.9										
<b>Fibers / cc:</b>	<0.005	<0.005										

**Legend:** I=Inside O=Outside E=Environmental B=Blank

ELAP ID No.: 10958

Samples were analyzed according to the NIOSH 7400 method.

**Comments:**

The Sampling Data was supplied by the client. Paradigm Environmental Services, Inc. does not guarantee the reliability of the clients data.

**Date of Analysis:** 05/06/2008  
**Microscope:** Olympus BH-2#235757  
**Analyst:** B. Liberatore

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## PCM AIR REPORT

Client: **EPA**  
 Location: **USEPA Contract Laboratory Program**  
 Work Area:

Project No.: 5262-08  
 Activity: Environmental

Sample Date: 05/06/2008  
 Sampling Tech.: M. Murphy

**Field Data and Sampling Provided By: EPA**

Field Sample ID:	Downwind	Personnel in Exclusion	Upwind									
Rotometer No.:	Not Provided	Not Provided	Not Provided									
Sample Location:	Downwind	Personnel in Exclusion Zone	Upwind									
Starting Flow Rate: L/MIN	Not Provided	Not Provided	Not Provided									
Ending Flow Rate: L/MIN	Not Provided	Not Provided	Not Provided									
Avg. Flow Rate: L/MIN	2.120	2.478	2.430									
Time:	7:47 AM	7:43 AM	7:45 AM									
Finish Time:	3:42 PM	3:43 PM	3:45 PM									
Duration (MIN):	475	480	480									
Sample Volume (L):	1007	1189.44	1166.4									

**Laboratory Analysis Performed By: Paradigm Environmental Services, Inc.**

Lab Sample ID:	29942	29943	29944									
Fibers / 100 Fields:	2.5	7.5	3									
Fibers / mm2:	<7.0	9.6	<7.0									
Fibers / cc:	<0.005	<0.005	<0.005									

Legend: I=Inside O=Outside E=Environmental B=Blank

ELAP ID No.: 10958

Samples were analyzed according to the NIOSH 7400 method.

**Comments:**

The Sampling Data was supplied by the client. Paradigm Environmental Services, Inc. does not guarantee the reliability of the clients data.

Date of Analysis: 05/07/2008  
 Microscope: Olympus BH-2#235757  
 Analyst: B. Liberatore

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## PCM AIR REPORT

Client: **EPA**  
 Location: **USEPA Contract Laboratory Program**  
 Work Area:

Project No.: **5303-08**  
 Activity: **Environmental**

Sample Date: **05/07/2008**  
 Sampling Tech.: **M. Murphy**

**Field Data and Sampling Provided By: EPA**

Field Sample ID:	Downwind	Personnel In Exclusion	Upwind									
Rotometer No.:	Not Provided	Not Provided	Not Provided									
Sample Location:	Downwind	Personnel in Exclusion Zone	Upwind									
Starting Flow Rate: L/MIN	Not Provided	Not Provided	Not Provided									
Ending Flow Rate: L/MIN	Not Provided	Not Provided	Not Provided									
Avg. Flow Rate: L/MIN	2.154	2.366	2.492									
Time:	8:07 AM	8:05 AM	8:03 AM									
Finish Time:	3:51 PM	3:50 PM	3:53 PM									
Duration (MIN):	464	465	470									
Sample Volume (L):	999.456	1100.19	1171.24									

**Laboratory Analysis Performed By: Paradigm Environmental Services, Inc.**

Lab Sample ID:	30191	30192	30193									
Fibers / 100 Fields:	3	8	5.5									
Fibers / mm2:	<7.0	10.2	7.0									
Fibers / cc:	<0.005	<0.005	<0.005									

Legend: I=Inside O=Outside E=Environmental B=Blank

ELAP ID No.: 10958

Samples were analyzed according to the NIOSH 7400 method.

**Comments:**

The Sampling Data was supplied by the client. Paradigm Environmental Services, Inc. does not guarantee the reliability of the clients data.

Date of Analysis: **05/08/2008**  
 Microscope: **Olympus BH-2#235757**  
 Analyst: **B. Liberatore**

ELECTRONIC REPORT FACSIMILE. THE OFFICIAL REPORT OF ANALYSIS IS THE ORIGINAL SIGNED HARDCOPY.

**EMSL Analytical, Inc.**

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4960 Email: [westmontasblab@EMSL.com](mailto:westmontasblab@EMSL.com)

Attn: **CHARLES FITZSIMMONS**  
**US EPA Environmental Science Center**  
**701 Mapes Road**  
**Fort Meade, MD 20755-5350**

Fax: (410) 305-3095 Phone: (410) 305-2662  
Project: **ELKTON FARM FIREHOLE**

Customer ID: USEP99  
Customer PO: CC ON FILE  
Received: 05/14/08 11:10 AM  
EMSL Order: 040811570

EMSL Proj:  
Analysis Date: 5/14/2008  
Report Date: 5/21/2008

**Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized  
Light Microscopy**

Sample	Location	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
ELKTON-BK- 051208-001 040811570-0001		Gray		100% Non-fibrous (other)	None Detected
		Non-Fibrous			
		Heterogeneous			

Analyst(s)

Alexis Turner (1)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Analysis performed by EMSL Westmont (NVLAP #101048-0), NY ELAP 10872



EMSL Analytical, Inc.

Revised January, 2000

(800) 220-3675 #6 cont. svc.

## CHAIN OF CUSTODY

Asbestos

040811570

EMSL Rep:

GARY PAYMENTER

Your Company

Name:

USEPA-TU

Street:

701 MAPES RD

Box #:

City/State:

FT. MEADE

Zip 21755

Phone Results to:

Name:

CHARLES FITZSIMMONS

Telephone #:

FITZSIMMONS, CHARLIE@EPA

Project

Name/Number:

ELKTON FAAM FIREHOLE

EMSL-Bill to:

Street:

Box #:

City/State:

Zip

Fax Results to:

Email: marion.murphy@Heml.com

Name:

Fax #:

410 305 3096

Purchase Order #:

CC on File

## TURNAROUND

<input checked="" type="checkbox"/> Air	<input checked="" type="checkbox"/> Soil	<input checked="" type="checkbox"/> Micro-Vac	<input checked="" type="checkbox"/> 3 hrs	<input checked="" type="checkbox"/> 6 Hours	<input checked="" type="checkbox"/> Same Day or 12 Hours*	<input checked="" type="checkbox"/> 24 Hours (1 day)
<input checked="" type="checkbox"/> Bulk	<input checked="" type="checkbox"/> Drinking Water		<input checked="" type="checkbox"/> 48 Hours (2 days)	<input checked="" type="checkbox"/> 72 Hours (3 days)	<input checked="" type="checkbox"/> 96 Hours (4 days)	<input checked="" type="checkbox"/> 120 Hours (5 Days)
<input checked="" type="checkbox"/> Wipe	<input checked="" type="checkbox"/> Wastewater		<input checked="" type="checkbox"/> 144+ hours (6-10 Days)			

Please call ahead to schedule TEM AIR, 3 hours, 6 hours. There is a premium charge for 3 hour TAT; call 1-800-220-3675 for price prior to sending samples. You will be asked to sign an authorization form for this service.

\* 12 hours must arrive by 11:00 am Mon. - Fri. Please Refer to Price Quote

## PCM - Air

- ☐ NIOSH 7400 (A) Issue 2: August 1994  
☐ OSHA w/TWA  
☐ Other:

## TEM AIR

- ☐ AHERA 40 CFR, Part 763 Subpart E  
☐ NIOSH 7402 Issue 2  
☐ EPA Level II

## TEM WATER

- ☐ EPA 100.1  
☐ EPA 100.2  
☐ NYS 198.2

## PLM - Bulk

- ☒ EPA 600/R-93/116  
☐ EPA Point Count  
☐ NY Stratified Point Count  
☐ PLM NOB (Gravimetric) NYS 198.1  
☐ NIOSH 9002  
☐ EMSL Standard Addition

## TEM BULK

- ☐ Drop Mount (Qualitative)  
☐ Chatfield SOP-1988-02  
☐ TEM NOB (Gravimetric) NY 198.4  
☐ EMSL Standard Addition

## TEM MICROVAC / WIPE

- ☐ ASTM D 5755-95 quantitative  
☐ Wipe Qualitative

## SEM Air or Bulk

- ☐ Qualitative  
☐ Quantitative

## PLM Soil

- ☐ EPA Protocol Qualitative  
☐ EPA Protocol Quantitative  
☐ EMSL MSD 9000 Method fibers/gram

## XRD

- ☐ Asbestos  
☐ Silica NIOSH 7500

## OTHER

- ☐

Client Sample # (s) ELKTON-BK-051208-CU1

Total Samples #: 1

Relinquished:

C. Murphy

Date:

05/14/08

Time:

1110

Received:

DM-W

Date:

Time:

Relinquished:

Date:

Time:

Received:

Date:

Time:

Relinquished:

Date:

Time:

Received:

Date:

Time:

04081570

[illegible]

## PCM AIR REPORT

Client: **EPA**  
 Location: **USEPA Contract Laboratory Program**  
 Work Area:

Project No.: 6022-08  
 Activity: Environmental

Sample Date: 05/28/2008  
 Sampling Tech.: M. Murphy

**Field Data and Sampling Provided By: EPA**

<b>Field Sample ID:</b>	<b>Downwind</b>	<b>FB</b>	<b>Personnel Excavation</b>								
<b>Rotometer No.:</b>	Not Provided	Not Provided	Not Provided								
<b>Sample Location:</b>	Downwind	FB	Personnel Exclusion Area								
<b>Starting Flow Rate: L/MIN</b>	2.125	N/A	2.448								
<b>Ending Flow Rate: L/MIN</b>	2.125	N/A	2.448								
<b>Avg. Flow Rate: L/MIN</b>	2.125	N/A	2.448								
<b>Start Time:</b>	6:44 AM	N/A	6:40 AM								
<b>Finish Time:</b>	2:55 PM	N/A	2:50 PM								
<b>Duration (MIN):</b>	491	N/A	490								
<b>Sample Volume (L):</b>	1043.375	N/A	1199.52								

**Laboratory Analysis Performed By: Paradigm Environmental Services, Inc.**

<b>Lab Sample ID:</b>	34912	34913	34914								
<b>Fibers / 100 Fields:</b>	5	2.5	7								
<b>Fibers / mm2:</b>	<7.0	<7.0	8.9								
<b>Fibers / cc:</b>	<0.005	N/A	<0.005								

Legend: I=Inside O=Outside E=Environmental B=Blank

ELAP ID No.: 10958

Samples were analyzed according to the NIOSH 7400 method.

**Comments:**

The Sampling Data was supplied by the client. Paradigm Environmental Services, Inc. does not guarantee the reliability of the clients data.

Date of Analysis: 05/29/2008  
 Microscope: Olympus BH-2#235757  
 Analyst: B. Liberatore

ELECTRONIC REPORT FACSIMILE. THE OFFICIAL REPORT OF ANALYSIS IS THE ORIGINAL SIGNED HARDCOPY.

## PCM AIR REPORT

Client: **EPA**  
 Location: **USEPA Contract Laboratory Program**  
 Work Area:

Project No.: 5031-08  
 Activity: Environmental

Sample Date: 04/29/2008  
 Sampling Tech.: M. Murphy

**Field Data and Sampling Provided By: EPA**

Field Sample ID:	AAS-P11-B01	AAS-P11-01	AAS-P11-02	AAS-P11-03	B1	B2	B3					
Rotometer No.:	Not Provided	Not Provided	Not Provided	Not Provided	N/A	N/A	N/A					
Sample Location:	FB	Downwind in Exclusion Zone	Personnel in Exclusion Zone	Upwind	N/A	N/A	N/A					
Starting Flow Rate: L/MIN	N/A	Not Provided	Not Provided	Not Provided	N/A	N/A	N/A					
Ending Flow Rate: L/MIN	N/A	Not Provided	Not Provided	Not Provided	N/A	N/A	N/A					
Avg. Flow Rate: L/MIN	N/A	2.354	2.348	2.395	N/A	N/A	N/A					
Start Time:	N/A	8:02 AM	8:00 AM	8:05 AM	N/A	N/A	N/A					
Finish Time:	N/A	3:26 PM	3:25 PM	3:28 PM	N/A	N/A	N/A					
Duration (MIN):	N/A	444	445	443	N/A	N/A	N/A					
Sample Volume (L):	N/A	1045.176	1044.86	1060.985	N/A	N/A	N/A					

**Laboratory Analysis Performed By: Paradigm Environmental Services, Inc.**

Lab Sample ID:	28575	28576	28577	28578	28579	28580	28581					
Fibers / 100 Fields:	0	2.5	5.5	1.5	0	0	0					
Fibers / mm2:	<7.0	<7.0	7.0	<7.0	<7.0	<7.0	<7.0					
Fibers / cc:	N/A	<0.005	<0.005	<0.005	N/A	N/A	N/A					

Legend: I=Inside O=Outside E=Environmental B=Blank

ELAP ID No.: 10958

Samples were analyzed according to the NIOSH 7400 method.

**Comments:**

The Sampling Data was supplied by the client. Paradigm Environmental Services, Inc. does not guarantee the reliability of the clients data.

Date of Analysis: 04/30/2008  
 Microscope: Olympus BH-2#235757  
 Analyst: B. Liberatore

ELECTRONIC REPORT FACSIMILE. THE OFFICIAL REPORT OF ANALYSIS IS THE ORIGINAL SIGNED HARDCOPY.

## PCM AIR REPORT

Client: **EPA**  
 Location: **USEPA Contract Laboratory Program**  
 Work Area:

Project No.: 6125-08  
 Activity: Environmental

Sample Date: 05/30/2008  
 Sampling Tech.: M. Murphy

**Field Data and Sampling Provided By: EPA**

Field Sample ID:	Downwind	Personal Excavation	Upwind								
Rotometer No.:	Not Provided	Not Provided	Not Provided								
Sample Location:	Downwind	Personal Excavation	Upwind								
Starting Flow Rate: L/MIN	2.121	2.389	2.424								
Ending Flow Rate: L/MIN	2.121	2.389	2.424								
Avg. Flow Rate: L/MIN	2.121	2.389	2.424								
Start Time:	6:47 AM	6:45 AM	6:41 AM								
Finish Time:	3:00 PM	3:02 PM	3:03 PM								
Duration (MIN):	493	497	502								
Sample Volume (L):	1045.653	1187.333	1216.848								

**Laboratory Analysis Performed By: Paradigm Environmental Services, Inc.**

Lab Sample ID:	35523	35524	35525								
Fibers / 100 Fields:	2.5	17.5	3								
Fibers / mm2:	<7.0	22.3	<7.0								
Fibers / cc:	<0.005	0.007	<0.005								

Legend: I=Inside O=Outside E=Environmental B=Blank

ELAP ID No.: 10958

Samples were analyzed according to the NIOSH 7400 method.

**Comments:**

The Sampling Data was supplied by the client. Paradigm Environmental Services, Inc. does not guarantee the reliability of the clients data.

Date of Analysis: 05/31/2008  
 Microscope: Olympus BH-2#235757  
 Analyst: B. Weinman

ELECTRONIC REPORT FACSIMILE. THE OFFICIAL REPORT OF ANALYSIS IS THE ORIGINAL SIGNED HARDCOPY.

**Air Monitoring TWA Averages for Data Rams**  
Week of May 26, 2007 (units in ug/M<sup>3</sup>)

	26-May	27-May	28-May	29-May	30-May	OSHA Limit ug/M3
Break Area	NA	NA	2.9	10.6	10.7	5,000
Down Wind	NA	NA	11.0	21.2	46.0	5,000
Up Wind	NA	NA	3.0	25.5	78.8	5,000
Total Dust	NA	NA	35.1	84.1	183.9	15,000

NA = Not applicable no air monitoring performed on that day

NR = Insrument failure no readings on insurument.

\*Originally upwind till downwind pump died swithced after lunch

Max reading Total dust on 5/30 13:23 1,321 ug/M3

**Air Monitoring TWA Averages for Personnel Data**  
Week of October 8, 2007 (units in ug/M<sup>3</sup>)

	26-May	27-May	28-May	29-May	30-May	OSHA Limit ug/M3
Trommel Area	NA	NA	293	40	90	5,000
Excavation Area	NA	NA	28	152	146	5,000

NA = Not applicable no air monitoring performed on that day for that station

NR = Insrument failure no readings on insurument.

Max reading 20,000 ug/M3 in excavation area on 5/30 at 7:59 in Pit Excavation Area.

**Asbestos Results**

**Units reported in fibers/cubic centimeter**

	26-May	27-May	28-May	29-May	30-May
Break Area	NA	NA	<0.005	<0.005	<0.005
Down Wind	NA	NA	<0.005	<0.005	0.007
Up Wind	NA	NA	<0.005	<0.005	<0.005

\*\*\* Pump failed no sample

## PCM AIR REPORT

Client: EPA  
 Location: USEPA Contract Laboratory Program  
 Work Area:

Project No.: 6223-08  
 Activity: Environmental

Sample Date: 06/03/2008  
 Sampling Tech.: M. Murphy

**Field Data and Sampling Provided By: EPA**

Field Sample ID:	Downwind	Personnel in Exclusion	Upwind									
Rotometer No.:	Not Provided	Not Provided	Not Provided									
Sample Location:	Downwind	Personnel in Exclusion Zone	Upwind									
Starting Flow Rate: L/MIN	Not Provided	Not Provided	Not Provided									
Ending Flow Rate: L/MIN	Not Provided	Not Provided	Not Provided									
Avg. Flow Rate: L/MIN	2.150	2.420	2.371									
Time:	6:42 AM	6:35 AM	6:37 AM									
Finish Time:	3:22 PM	3:25 PM	3:23 PM									
Duration (MIN):	520	530	526									
Sample Volume (L):	1118	1282.6	1247.146									

**Laboratory Analysis Performed By: Paradigm Environmental Services, Inc.**

Lab Sample ID:	36138	36139	36140									
Fibers / 100 Fields:	3.5	5	3									
Fibers / mm2:	<7.0	<7.0	<7.0									
Fibers / cc:	<0.005	<0.005	<0.005									

Legend: I=Inside O=Outside E=Environmental B=Blank

ELAP ID No.: 10958

Samples were analyzed according to the NIOSH 7400 method.

**Comments:**

The Sampling Data was supplied by the client. Paradigm Environmental Services, Inc. does not guarantee the reliability of the clients data.

Date of Analysis: 06/03/2008  
 Microscope: Olympus BH-2#235757  
 Analyst: B.Liberatore

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## PCM AIR REPORT

Client: **EPA**  
 Location: **USEPA Contract Laboratory Program**  
 Work Area:

Project No.: 6289-08  
 Activity: Environmental

Sample Date: 06/04/2008  
 Sampling Tech.: J. Gawarzewski

**Field Data and Sampling Provided By: EPA**

Field Sample ID:	AAS-PLL-28	AAS-PLL-29	AAS-PLL-30								
Rotometer No.:	Not Provided	Not Provided	Not Provided								
Sample Location:	Ambient Air	Ambient Air	Ambient Air								
Starting Flow Rate: L/MIN	Not Provided	Not Provided	Not Provided								
Ending Flow Rate: L/MIN	Not Provided	Not Provided	Not Provided								
Avg. Flow Rate: L/MIN	2.053	2.329	2.232								
Time:	6:36 AM	6:32 AM	6:34 AM								
Finish Time:	3:12 PM	3:10 PM	3:10 PM								
Duration (MIN):	516	518	516								
Sample Volume (L):	1059.348	1206.422	1151.712								

**Laboratory Analysis Performed By: Paradigm Environmental Services, Inc.**

Lab Sample ID:	36569	36570	36571								
Fibers / 100 Fields:	3	5.5	6								
Fibers / mm2:	<7.0	7.0	7.6								
Fibers / cc:	<0.005	<0.005	<0.005								

Legend: I=Inside O=Outside E=Environmental B=Blank

ELAP ID No.: 10958

Samples were analyzed according to the NIOSH 7400 method.

**Comments:**

The Sampling Data was supplied by the client. Paradigm Environmental Services, Inc. does not guarantee the reliability of the clients data.

Date of Analysis: 06/04/2008  
 Microscope: Olympus BH-2#235757  
 Analyst: B. Liberatore

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## PCM AIR REPORT

Client: **EPA**  
 Location: USEPA Contract Laboratory Program  
 Work Area:

Project No.: 6612-08  
 Activity: Environmental

Sample Date: 06/10/2008  
 Sampling Tech.: M. Murphy

**Field Data and Sampling Provided By: EPA**

Field Sample ID:	Downwind	Personnel In Excavation Zone	Upwind								
Rotometer No.:	Not Provided	Not Provided	Not Provided								
Sample Location:	Downwind	Personnel in Excavation Zone	Upwind								
Starting Flow Rate: L/MIN	Not Provided	Not Provided	Not Provided								
Ending Flow Rate: L/MIN	Not Provided	Not Provided	Not Provided								
Avg. Flow Rate: L/MIN	2.137	2.475	2.393								
Time:	6:58 AM	7:00 AM	7:01 AM								
Finish Time:	1:44 PM	1:44 PM	2:30 PM								
Duration (MIN):	406	404	449								
Sample Volume (L):	867.622	999.9	1074.457								

**Laboratory Analysis Performed By: Paradigm Environmental Services, Inc.**

Lab Sample ID:	38514	38515	38516								
Fibers / 100 Fields:	3	12	4.5								
Fibers / mm2:	<7.0	15.3	<7.0								
Fibers / cc:	<0.005	0.005	<0.005								

Legend: I=Inside O=Outside E=Environmental B=Blank

ELAP ID No.: 10958

Samples were analyzed according to the NIOSH 7400 method.

**Comments:**

The Sampling Data was supplied by the client. Paradigm Environmental Services, Inc. does not guarantee the reliability of the clients data.

Date of Analysis: 06/11/2008  
 Microscope: Olympus BH-2#235757  
 Analyst: B. Liberatore

Laboratory Results Approved By: \_\_\_\_\_

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 File ID: 6612-08EPAe

6/13/2008

## PCM AIR REPORT

Client: **EPA**  
 Location: **USEPA Contract Laboratory Program**  
 Work Area:

Project No.: 6706-08  
 Activity: Environmental

Sample Date: 06/12/2008  
 Sampling Tech.: J. Gawarzewski

**Field Data and Sampling Provided By: EPA**

Field Sample ID:	AAS-P11-37	AAS-P11-38	ASS-P11-39								
Rotometer No.:	Not Provided	Not Provided	Not Provided								
Sample Location:	Down	Personal	Up								
Starting Flow Rate: L/MIN	Not Provided	Not Provided	Not Provided								
Ending Flow Rate: L/MIN	Not Provided	Not Provided	Not Provided								
Avg. Flow Rate: L/MIN	1.595	1.943	2.230								
Time:	6:40 AM	6:30 AM	6:35 AM								
Finish Time:	3:15 PM	3:05 PM	3:10 PM								
Duration (MIN):	515	515	515								
Sample Volume (L):	821.425	1000.645	1148.45								

**Laboratory Analysis Performed By: Paradigm Environmental Services, Inc.**

Lab Sample ID:	3915	3916	3917								
Fibers / 100 Fields:	4	13	2.5								
Fibers / mm2:	<7.0	16.6	<7.0								
Fibers / cc:	<0.005	0.006	<0.005								

Legend: I=Inside O=Outside E=Environmental B=Blank

ELAP ID No.: 10958

Samples were analyzed according to the NIOSH 7400 method.

**Comments:**

The Sampling Data was supplied by the client. Paradigm Environmental Services, Inc. does not guarantee the reliability of the clients data.

Date of Analysis: 06/13/2008  
 Microscope: Olympus BH-2#235757  
 Analyst: B. Liberatore

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## PCM AIR REPORT

Client: **EPA**  
 Location: USEPA Contract Laboratory Program  
 Work Area:

Project No.: 6972-08  
 Activity: Environmental  
 Reissued: 6/18/2008

Sample Date: 06/18/2008  
 Sampling Tech.: M. Murphy

Field Data and Sampling Provided By: EPA

Field Sample ID:	EF503	EF504	EF505								
Rotometer No.:	Not Provided	Not Provided	Not Provided								
Sample Location:	Downwind	Personnel in Excavation Area	Personnel in Trommel Area								
Starting Flow Rate: L/MIN	Not Provided	Not Provided	Not Provided								
Ending Flow Rate: L/MIN	Not Provided	Not Provided	Not Provided								
Avg. Flow Rate: L/MIN	2.199	2.451	2.406								
Time:	7:12 AM	7:06 AM	7:11 AM								
Finish Time:	2:45 PM	2:45 PM	2:33 PM								
Duration (MIN):	453	459	442								
Sample Volume (L):	996.147	1125.009	1063.452								

Laboratory Analysis Performed By: Paradigm Environmental Services, Inc.

Lab Sample ID:	40795	40796	40797								
Fibers / 100 Fields:	5	4	7								
Fibers / mm2:	<7.0	<7.0	8.9								
Fibers / cc:	<0.005	<0.005	<0.005								

Legend: I=Inside O=Outside E=Environmental B=Blank

ELAP ID No.: 10958

Samples were analyzed according to the NIOSH 7400 method.

### Comments:

The Sampling Data was supplied by the client. Paradigm Environmental Services, Inc. does not guarantee the reliability of the clients data.

Date of Analysis: 06/19/2008  
 Microscope: Olympus BH-2#235757  
 Analyst: B. Liberatore

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## PCM AIR REPORT

Client: **EPA**  
 Location: USEPA Contract Laboratory Program  
 Work Area:

Project No.: 7045-08  
 Activity: Environmental  
 Reissued: 6/18/2008

Sample Date: 06/19/2008  
 Sampling Tech.: M. Murphy

**Field Data and Sampling Provided By: EPA**

Field Sample ID:	EF504	EF503	B								
Rotometer No.:	Not Provided	Not Provided	Not Provided								
Sample Location:	Guardian Personnel	Personnel In Excavat	USA Personnel In TRO								
Starting Flow Rate: L/MIN	Not Provided	Not Provided	Not Provided								
Ending Flow Rate: L/MIN	Not Provided	Not Provided	Not Provided								
Avg. Flow Rate: L/MIN	2.386	2.455	2.185								
Time:	6:46 AM	6:40 AM	6:45 AM								
Finish Time:	3:01 PM	3:02 PM	9:47 AM								
Duration (MIN):	495	502	182								
Sample Volume (L):	1181.07	1232.159	397.67								

**Laboratory Analysis Performed By: Paradigm Environmental Services, Inc.**

Lab Sample ID:	41216	41217	41218								
Fibers / 100 Fields:	4	6	3								
Fibers / mm2:	<7.0	7.6	<7.0								
Fibers / cc:	<0.005	<0.005	<0.005								

Legend: I=Inside O=Outside E=Environmental B=Blank

ELAP ID No.: 10958

Samples were analyzed according to the NIOSH 7400 method.

**Comments:**

The Sampling Data was supplied by the client. Paradigm Environmental Services, Inc. does not guarantee the reliability of the clients data.

Date of Analysis: 06/20/2008  
 Microscope: Olympus BH-2#235757  
 Analyst: B. Liberatore

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## PCM AIR REPORT

Client: **EPA**  
 Location: USEPA Contract Laboratory Program  
 Work Area: R32932

Project No.: 7132-08  
 Activity: Environmental  
 Reissued: 6/18/2008

Sample Date: 06/20/2008  
 Sampling Tech.: M. Murphy

**Field Data and Sampling Provided By: EPA**

Field Sample ID:	EF508	EF506	EF507								
Rotometer No.:	Not Provided	Not Provided	Not Provided								
Sample Location:	Guardian Personnel	Personnel in Excavation Area	USA Personnel in TRO								
Starting Flow Rate: L/MIN	Not Provided	Not Provided	Not Provided								
Ending Flow Rate: L/MIN	Not Provided	Not Provided	Not Provided								
Avg. Flow Rate: L/MIN	2.113	2.728	1.902								
Time:	6:38 AM	6:35 AM	6:37 AM								
Finish Time:	3:01 PM	1:09 PM	3:00 PM								
Duration (MIN):	503	394	503								
Sample Volume (L):	1062.839	1074.832	956.706								

**Laboratory Analysis Performed By: Paradigm Environmental Services, Inc.**

Lab Sample ID:	41794	41795	41796								
Fibers / 100 Fields:	4	5	3.5								
Fibers / mm2:	<7.0	<7.0	<7.0								
Fibers / cc:	<0.005	<0.005	<0.005								

Legend: I=Inside O=Outside E=Environmental B=Blank

ELAP ID No.: 10958

Samples were analyzed according to the NIOSH 7400 method.

**Comments:**

The Sampling Data was supplied by the client. Paradigm Environmental Services, Inc. does not guarantee the reliability of the clients data.

Date of Analysis: 06/23/2008  
 Microscope: Olympus BH-2#235757  
 Analyst: B. Liberatore

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# PCM AIR REPORT

**Sample Date:** 06/24/2008  
**Sampling Tech.:** J. Gawarzewski

**6/26/2008**

## PCM AIR REPORT

**Client:** EPA  
**Location:** USEPA Contract Laboratory Program  
**Work Area:**

**Project No.:** 7367-08  
**Activity:** Environmental

**Sample Date:** 06/26/2008  
**Sampling Tech.:** M. Murphy

**Field Data and Sampling Provided By: EPA**

<b>Field Sample ID:</b>											
	AAS-P11-50	AAS-P11-51	AAS-P11-52								
<b>Rotometer No.:</b>	Not Provided	Not Provided	Not Provided								
<b>Sample Location:</b>	Ambient Air	Ambient Air	Ambient Air								
<b>Starting Flow Rate: L/MIN</b>	Not Provided	Not Provided	Not Provided								
<b>Ending Flow Rate: L/MIN</b>	Not Provided	Not Provided	Not Provided								
<b>Avg. Flow Rate: L/MIN</b>	2.528	2.146	2.325								
<b>Time:</b>	7:18 AM	6:58 AM	6:58 AM								
<b>Finish Time:</b>	2:52 PM	2:48 PM	2:48 PM								
<b>Duration (MIN):</b>	454	470	470								
<b>Sample Volume (L):</b>	1147.712	1008.62	1092.75								

**Laboratory Analysis Performed By: Paradigm Environmental Services, Inc.**

<b>Lab Sample ID:</b>	43246	43247	43248								
<b>Fibers / 100 Fields:</b>	3	2.5	4								
<b>Fibers / mm2:</b>	<7.0	<7.0	<7.0								
<b>Fibers / cc:</b>	<0.005	<0.005	<0.005								

**Legend:** I=Inside O=Outside E=Environmental B=Blank

ELAP ID No.: 10958

Samples were analyzed according to the NIOSH 7400 method.

**Comments:**

The Sampling Data was supplied by the client. Paradigm Environmental Services, Inc. does not guarantee the reliability of the clients data.

**Date of Analysis:** 06/26/2008  
**Microscope:** Olympus BH-2#235757  
**Analyst:** B. Liberatore

**Laboratory Results Approved By:** \_\_\_\_\_

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 File ID: 7367-08EPaE

6/26/2008

## PCM AIR REPORT

Client: EPA  
 Location: USEPA Contract Laboratory Program  
 Work Area:

Project No.: 7478-08  
 Activity: Environmental

Sample Date: 06/26/2008  
 Sampling Tech.: M. Murphy

Field Data and Sampling Provided By: EPA

Field Sample ID:											
	AAS-P11-54	AAS-P11-55	AAS-P11-56								
Rotometer No.:	Not Provided	Not Provided	Not Provided								
Sample Location:	Ambient Air	Ambient Air	Ambient Air								
Starting Flow Rate: L/MIN	Not Provided	Not Provided	Not Provided								
Ending Flow Rate: L/MIN	Not Provided	Not Provided	Not Provided								
Avg. Flow Rate: L/MIN	2.065	2.165	2.269								
Time:	6:40 AM	6:35 AM	6:45 AM								
Finish Time:	2:50 PM	2:45 PM	2:55 PM								
Duration (MIN):	490	490	490								
Sample Volume (L):	1011.899	1060.85	1111.81								

Laboratory Analysis Performed By: Paradigm Environmental Services, Inc.

Lab Sample ID:	44098	44099	44100								
Fibers / 100 Fields:	4.5	7	5.5								
Fibers / mm2:	<7.0	8.9	7.0								
Fibers / cc:	<0.005	<0.005	<0.005								

Legend: I=Inside O=Outside E=Environmental B=Blank

ELAP ID No.: 10958

Samples were analyzed according to the NIOSH 7400 method.

### Comments:

The Sampling Data was supplied by the client. Paradigm Environmental Services, Inc. does not guarantee the reliability of the clients data.

Date of Analysis: 06/27/2008  
 Microscope: Olympus BH-2#235757  
 Analyst: B. Liberatore

Laboratory Results Approved By: \_\_\_\_\_

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 File ID: 7478-08EPaE

6/27/2008

**Air Monitoring TWA Averages for Data Rams**Week of June 23, 2008 (units in ug/M<sup>3</sup>)

	23-Jun	24-Jun	25-Jun	26-Jun	27-Jun
Break Area	NA	3.8	28.6	201.2	NA
Down Wind	NA	87.4	69.5	234.9	NA
Up Wind	NA	NA	NA	NA	NA
Total Dust	NA	231.7	117.2	447.9	NA

NA = Not applicable no air monitoring performed on that day

NR = Insurment failure no readings on insurument.

\*Originally upwind till downwind pump died swithced after lunch

Max reading Total dust on 6/24 11:58 4,824 ug/M3

**Air Monitoring TWA Averages for Personnel Data**Week of June 23, 2008 (units in ug/M<sup>3</sup>)

	23-Jun	24-Jun	25-Jun	26-Jun	27-Jun
Trommel Area	NA	440	167	126	NA
Excavation Area	NA	74	94	139	NA

NA = Not applicable no air monitoring performed on that day for that station

NR = Insurment failure no readings on insurument.

Max reading 58,168 ug/M3 in excavation area on 6/26 at 13:29.

**Asbestos Results**

Units reported in fibers/cubic centimeter

	23-Jun	24-Jun	25-Jun	26-Jun	27-Jun
Personnel in Excavation	NA	<0.005	<0.005	<0.005	NA
Down Wind	NA	NA	<0.005	<0.005	NA
Up Wind	NA	NA	<0.005	<0.005	NA

NA = Not applicable no air sampling performed on that day for that station

OSHA Limit ug/M3

5,000

5,000

5,000

15,000

OSHA Limit ug/M3

5,000

5,000

## PCM AIR REPORT

Client: **EPA**  
 Location: **USEPA Contract Laboratory Program**  
 Work Area:

Project No.: 8087-08  
 Activity: Environmental

Sample Date: 07/08/2008  
 Sampling Tech.: M. Murphy

**Field Data and Sampling Provided By: EPA**

Field Sample ID:	EF512												
Rotometer No.:	Not Provided												
Sample Location:	Ambient Air												
Starting Flow Rate: L/MIN	Not Provided												
Ending Flow Rate: L/MIN	Not Provided												
Avg. Flow Rate: L/MIN	2.401												
Time:	6:45 AM												
Finish Time:	3:11 PM												
Duration (MIN):	506												
Sample Volume (L):	1214.906												

**Laboratory Analysis Performed By: Paradigm Environmental Services, Inc.**

Lab Sample ID:	48294												
Fibers / 100 Fields:	8												
Fibers / mm2:	10.2												
Fibers / cc:	<0.005												

Legend: I=Inside O=Outside E=Environmental B=Blank

ELAP ID No.: 10958

Samples were analyzed according to the NIOSH 7400 method.

**Comments:**

The Sampling Data was supplied by the client. Paradigm Environmental Services, Inc. does not guarantee the reliability of the clients data.

Date of Analysis: 07/09/2008  
 Microscope: Olympus BH-2#235757  
 Analyst: B. Liberatore

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**Air Monitoring TWA Averages for Data Rams**  
Week of July 7, 2008 (units in ug/M<sup>3</sup>)

	7-Jul	8-Jul	9-Jul	10-Jul	11-Jul
Break Area	NA	41.6	NA	NA	NA
Down Wind	NA	94.9	NA	NA	NA
Up Wind	NA	NA	NA	NA	NA
Total Dust	NA	218.8	NA	NA	NA

NA = Not applicable no air monitoring performed on that day

NR = Insrument failure no readings on insurument.

\*Originally upwind till downwind pump died swithced after lunch

Max reading Total dust on 7/8 at 14:45 = 3737.7 ug/M3

**Air Monitoring TWA Averages for Personnel Data**  
Week of July 7, 2008 (units in ug/M<sup>3</sup>)

	7-Jul	8-Jul	9-Jul	10-Jul	11-Jul
Trommel Area	NA	NA	NA	NA	NA
Excavation Area	NA	NA	NA	NA	NA

NA = Not applicable no air monitoring performed on that day for that station

NR = Insrument failure no readings on insurument.

**Asbestos Results**  
Units reported in fibers/cubic centimeter

	7-Jul	8-Jul	9-Jul	10-Jul	11-Jul
Personnel in Excavation	NA	<0.005	NA	NA	NA
Down Wind	NA	NA	NA	NA	NA
Up Wind	NA	NA	NA	NA	NA

NA = Not applicable no air sampling performed on that day for that station

OSHA Limit ug/M3

5,000

5,000

5,000

15,000

OSHA Limit ug/M3

5,000

5,000

## PCM AIR REPORT

Client: EPA  
 Location: USEPA Contract Laboratory Program  
 Work Area:

Project No.: 7511-08  
 Activity: Environmental

Sample Date: 07/16/2008  
 Sampling Tech.: E. Armistead

**Field Data and Sampling Provided By: EPA**

Field Sample ID:	AAS-P11-58	AAS-P11-59	AAS-P11-60								
Rotometer No.:	Not Provided	Not Provided	Not Provided								
Sample Location:	Ambient Air	Ambient Air	Ambient Air								
Starting Flow Rate: L/MIN	Not Provided	Not Provided	Not Provided								
Ending Flow Rate: L/MIN	Not Provided	Not Provided	Not Provided								
Avg. Flow Rate: L/MIN	2.1331	2.2825	2.0166								
Start Time:	6:33 AM	6:27 AM	6:33 AM								
Finish Time:	2:55 PM	2:55 PM	2:55 PM								
Duration (MIN):	502	508	502								
Sample Volume (L):	1070.8162	1159.51	1012.3332								

**Laboratory Analysis Performed By: Paradigm Environmental Services, Inc.**

Lab Sample ID:	51147	51148	51149								
Fibers / 100 Fields:	3	5	2								
Fibers / mm2:	<7.0	<7.0	<7.0								
Fibers / cc:	<0.005	<0.005	<0.005								

Legend: I=Inside O=Outside E=Environmental B=Blank

ELAP ID No.: 10958

Samples were analyzed according to the NIOSH 7400 method.

**Comments:**

The Sampling Data was supplied by the client. Paradigm Environmental Services, Inc. does not guarantee the reliability of the clients data.

Date of Analysis: 07/17/2008  
 Microscope: Olympus BH-2#235757  
 Analyst: B. Liberatore

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## PCM AIR REPORT

Client: **EPA**  
 Location: **USEPA Contract Laboratory Program**  
 Work Area:

Project No.: **8603-08**  
 Activity: **Environmental**

Sample Date: **07/17/2008**  
 Sampling Tech.: **J. Gawarzewski**

**Field Data and Sampling Provided By: EPA**

Field Sample ID:	AAS-P11-061	AAS-P11-062	AAS-P11-63								
Rotometer No.:	Not Provided	Not Provided	Not Provided								
Sample Location:	Ambient Air	Ambient Air	Ambient Air								
Starting Flow Rate: L/MIN	Not Provided	Not Provided	Not Provided								
Ending Flow Rate: L/MIN	Not Provided	Not Provided	Not Provided								
Avg. Flow Rate: L/MIN	2.211	2.121	2.031								
Start Time:	6:25 AM	6:35 AM	6:30 AM								
Finish Time:	3:09 PM	2:56 PM	2:56 PM								
Duration (MIN):	524	501	506								
Sample Volume (L):	1158.56	1062.37	1027.69								

**Laboratory Analysis Performed By: Paradigm Environmental Services, Inc.**

Lab Sample ID:	51756	51757	51758								
Fibers / 100 Fields:	5	3	5.5								
Fibers / mm2:	<7.0	<7.0	7.0								
Fibers / cc:	<0.005	<0.005	<0.005								

Legend: I=Inside O=Outside E=Environmental B=Blank

ELAP ID No.: 10958

Samples were analyzed according to the NIOSH 7400 method.

**Comments:**

The Sampling Data was supplied by the client. Paradigm Environmental Services, Inc. does not guarantee the reliability of the clients data.

Date of Analysis: **07/18/2008**  
 Microscope: **Olympus BH-2#235757**  
 Analyst: **B. Liberatore**

ELECTRONIC REPORT FACSIMILE. THE OFFICIAL REPORT OF ANALYSIS IS THE ORIGINAL SIGNED HARDCOPY.

**Air Monitoring TWA Averages for Data Rams**  
Week of July 14, 2008 (units in ug/M<sup>3</sup>)

	14-Jul	15-Jul	16-Jul	17-Jul	18-Jul
Break Area	NA	NA	29.5	276.8	377.7
Down Wind	NA	NA	126.4	371.9	517.6
Up Wind	NA	NA	NA	NA	NA
Total Dust	NA	NA	246.2	NA	684.3

NA = Not applicable no air monitoring performed on that day

NR = Insurment failure no readings on insurment.

Max reading Total dust on 7/16 at 13:06 = 5129.7 ug/M<sup>3</sup>

**Air Monitoring TWA Averages for Personnel Data**  
Week of July 14, 2008 (units in ug/M<sup>3</sup>)

	14-Jul	15-Jul	16-Jul	17-Jul	18-Jul
Trommel Area	NA	NA	461	450	458
Excavation Area	NA	NA	58	99	63

NA = Not applicable no air monitoring performed on that day for that station

NR = Insurment failure no readings on insurment.

Max reading on 7/17 at 10:56 = 24,877 ug/M<sup>3</sup> in excavation area.

**Asbestos Results**

**Units reported in fibers/cubic centimeter**

	14-Jul	15-Jul	16-Jul	17-Jul	18-Jul
Personnel in Excavation	NA	NA	<0.005	<0.005	NA
Down Wind	NA	NA	<0.005	<0.005	NA
Up Wind	NA	NA	<0.005	<0.005	NA

NA = Not applicable no air sampling performed on that day for that station

OSHA Limit ug/M3  
5,000  
5,000  
5,000  
15,000

OSHA Limit ug/M3  
5,000  
5,000

**Air Monitoring TWA Averages for Data Rams**  
 Week of August 4, 2008 (units in ug/M<sup>3</sup>)

Break Area  
 Down Wind  
 Up Wind  
 Total Dust

4-Aug	5-Aug	6-Aug	7-Aug	8-Aug
NA	NA	NA	NA	NA
NA	94.6	NA	13.8	NA
NA	NA	NA	NA	NA
NA	296.7	NA	77.1	NA

NA = Not applicable no air monitoring performed on that day  
 NR = Instrument failure no readings on instrument.  
 Max reading = Downwind on 8/5 at 06:58 = 3,682 ug/M<sup>3</sup>

**Air Sampling Results**  
 Units reported in fibers/cubic centimeter

Personnel in Excavation  
 GES Personnel in Trommel Area  
 USA Personnel in Trommel Area

4-Aug	5-Aug	6-Aug	7-Aug	8-Aug
NA	<0.002	0.004	0.003	NA
NA	OL	0.006	0.005	NA
NA	OL	0.005	0.005	NA

NA = Not applicable no air sampling performed on that day for that station  
 OL = Overloaded with dust particles. No analysis performed.

OSHA Limit ug/M3

5,000

5,000

5,000

15,000

**Air Monitoring TWA Averages for Data Rams**  
 Week of July 28, 2008 (units in ug/M<sup>3</sup>)

Break Area  
 Down Wind  
 Up Wind  
 Total Dust

28-Jul	29-Jul	30-Jul	31-Jul	1-Aug
NA	NA	NA	278.4	NA
NA	NA	NA	213.5	NA
NA	NA	NA	NA	NA
NA	NA	NA	402.4	NA

NA = Not applicable no air monitoring performed on that day

NR = Instrument failure no readings on instrument.

Max reading Total dust on 7/31 at 11:50 = 1279 ug/M<sup>3</sup>

**Air Sampling Results**

Units reported in fibers/cubic centimeter

Personnel in Excavation  
 GES Personnel in Trommel Area  
 USA Personnel in Trommel Area

28-Jul	29-Jul	30-Jul	31-Jul	1-Aug
NA	NA	NA	0.005	NA
NA	NA	NA	0.012*	NA
NA	NA	NA	0.009	NA

\*This sample further underwent TEM analysis. No asbestos fibers were found in TEM examination.

NA = Not applicable no air sampling performed on that day for that station

OSHA Limit ug/M3

5,000

5,000

5,000

15,000

**Air Monitoring TWA Averages for Data Rams**  
 Week of August 11, 2008 (units in ug/M<sup>3</sup>)

	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug
Break Area	NA	25.8	46.3	137.3	NA
Down Wind	NA	109.5	136.6	237.1	NA
Up Wind	NA	NA	NA	NA	NA
Total Dust	NA	165.7	242.1	329.2	NA

NA = Not applicable no air monitoring performed on that day

NR = Instrument failure no readings on instrument.

Max reading = Total Dust on 8/13 at 12:58 = 13,509 ug/M3

**Air Sampling Results**

Units reported in fibers/cubic centimeter

	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug
Personnel in Excavation	NA	<0.004	NA	<0.003	NA
GES Personnel in Trommel Area	NA	<0.004	NA	<0.002	NA
USA Personnel in Trommel Area	NA	0.004	NA	0.003	NA

NA = Not applicable no air sampling performed on that day for that station

OSHA Limit ug/M3

5,000

5,000

5,000

15,000